BRUHAT BANGALORE MAHANAGARA PALIKE, YELAHANKA ZONE

Executive Engineeer
Byatarayanapura Division
B.B.M.P., Bangalore - 92

DRAFT TENDER SCHEDULE

Issued to :

Original / Duplicate
Item No.

Name of the Work : Construction of Watchaman shead in NTI Park in Ward No. 09, Vidyaranyapura Sub Division.

Sl. No.	Quantity.	Description	Unit	Rates	
				In Figures	In Words
1	14.67	Earth work excavation for foundation of buildings, culverts water supply, sanitary line and electrical conduits either in pits or in trenches 1.5m and above in width, **in Hard soil** not exceeding 1.5m, in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m, after breaking of clods etc complete as per specifications and directions of engineer in charge of the work.	Cum	223.66	
2	2.20	Providing and laying in position **plain cement concrete of mix M7.5 with OPC cement @ 180 Kgs** using **40mm** and down size graded granite metal, corse aggregates @ 0.85 cum and fine aggregtes @ 0.58cum machine mixed, concrete laid in layers not exceeding 15 cms thick, well compacted, **in foundation and plinth**, including cost of all materials, labour, HOM of machinery, curing etc complete as per specifications and directions of engineer in charge of the work.	Cum	4211.38	
3	5.87	Providing and constructing granite / trap / basalt size stone masonry in **foundation with cement mortar 1:6**, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing etc complete as per specifications and directions of engineer in charge of the work.	Cum	3484.22	
4	3.30	Providing and constructing granite / trap / basalt size stone masonry in **basement with cement mortar 1:6**, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing etc complete as per specifications and directions of engineer in charge of the work.	Cum	4148.84	
5	3.94	Providing and laying in position **reinforced cement concrete of design mix M20 with OPC cement @ 320 kgs with 20mm and down size** graded granite metal coarse aggregates @ 0.878 cum and fine aggregates @ 0.459 cum with superplastisiser @ 3 lts confirming to IS 9103-1999 reaffirmed-2008 , machine mixed, concrete laid in layers not exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, walls (any thickness) including attached plasters, column, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc, including cost of all materials, labour, HOM of machinery, curing, etc complete as per specifications and directions of engineer in charge of the work.	Cum	5535.32	

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Bangalore - 560 092

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				In Figures	In Words
6	14.67	Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20cms, in depth, compacting each deposited layers by ramming after watering with lead upto 50m, and lift upto 1.5m, including cost of all labour etc complete as per specifications and directions of engineer in charge of the work.	Cum	99.64	
7	48.43	Providing and constructing precast concrete solid blocks with compressive strength not les than 35 Kg/sqm with cement mortar 1:4 masonry (quoin, Jamb, closer blocks) with solid concrete blocks of size 40x20x20 cms conforming to I.S: 2185/1965 in superstructure including cost of materials, labour charges, scaffolding, curing etc complete as per specifications and directions of engineer in charge of the work.	Sqm	907.36	
8	4.11	Providing and laying in position reinforced cement concrete ofmix M20 with OPC cement @ 24kgs, with 12 mm and down size graded granite metal coarse aggregates @ 0.5175 cum and fine aggregates @ 0.345 cum with superplastisiser @ 0.225lts,machine mixed, well compacted for plain chajja of 7.5 cms. average thickness, upto ground floor lever, including cost of all materials, labour, HOM of machinery, curing, etc complete as per specifications and directions of engineer in charge of the work.	Sqm	405.98	
9	4.31	Providing **T.M.T steel reinforcement for R.C.C** work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery etc complete as per specifications and directions of engineer in charge of the work.	Qntl	7312.94	
10	18.00	Providing 12mm thick cement plaster in single coat with cement mortar 1:3, to ceiling including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing etc complete as per specifications and directions of engineer in charge of the work.	Sqm	179.99	
11	66.47	Providing 20mm thick cement plaster in single coat with cement mortar 1:4, to stone masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing etc complete as per specifications and directions of engineer in charge of the work.	Sqm	216.03	
12	53.04	Providing 18mm thick cement plaster in single coat with cement mortar 1:6, to brick masonry including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing etc complete as per specifications and directions of engineer in charge of the work.	Sqm	165.36	
13	18.00	Providing and laying **flooring** with M15 cement concrete, 40mm thick using broken granite metal of 20mm and down size laid to line and level in one layer and finish with a floating coat of neat cement , including cost of materials, labour, curing etc complete as per specifications and directions of engineer in charge of the work.	Sqm	284.08	
14	19.80	Flooring with **25mm to 40mm thick polished Thandur blue stone slabs** using cement mortar 1:6, 25mm thick over existing cement concrete bed or top roof laid to line and level and jointed with cement slurry mixed with pigment to match the shade of the slab, including cost of materials, labour, curing, polishing etc complete as per specifications and directions of engineer in charge of the work.	Sqm	1017.60	

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Yelahanka Zone, B.B.M.P.
Bangalore - 560 092

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				In Figures	In Words
15	18.00	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for flat surface such as suspended floors, **roofs**, landings, balconies and likes, thickness upto 200 mm including cost of all materials, labour etc complete as per specifications and directions of engineer in charge of the work.	Sqm	284.08	
16	9.78	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1 m in depth including cost of all materials, labour etc complete as per specifications and directions of engineer in charge of the work.	Sqm	239.56	
17	4.11	Providing and removing centering, shuttering, strutting, propping etc., for **chajjas**, corbels etc., including edges including cost of all materials, labour etc complete as per specifications and directions of engineer in charge of the work.	Sqm	242.74	
18	1.89	Supply and fixing pressed steel door frames size 125x65 mm manufacture from 1.25mm thick carbon steel or imported steel strips with mitred joints of 900 for door openings and sutters made out of seasoned honne wood, styles of 30mm, thick with lock rail of 160mm, width, top and side rails of 100mm, width width and bottom rails of 250 mm width and panel filling with 12mm thick particle board of exterior grade bonded with phenol formal dehide resin and the shutter shall be not proof, vermin proof, heat resistant guaranteed against shrinkage, warpage and such other defects for a period of 3 years, this shall be as per approved drawings, specification and direction including cost of conveyance, manufacturing, painting wit enamel paint 2 coats over primer coat, cost of labour for all items of work, machinery, equipment and all other incidental charges with all lead, lift, loading and unloading etc, complete the hollow portion of the frame to be filled with cement concrete1:2:4.etc complete as per specifications and directions of engineer in charge of the work.	Sqm	3710.00	
19	1.58	Providing & fixing factory made PVC Door frame of size 50x47 mm with a wall thickness of 5mm, made out of extruded 7mm rigid PVC foam sheet metered cut at corners & jointed 2No.s of 150mm long brackets of 15x15 mm M.S. Square tube of 19 gauge. The door frame to be fixed to the wall using M.S. Screws of 65/80mm size etc complete as per specifications and directions of engineer in charge of the work.	Sqm	545.90	
20	1.58	SOLID PANEL PVC DOOR SHUTTER Providing and fixing 30 mm thick factorily made rigid foam panelled door shutters made from M.S Tuvbe of 19 gauge thickeness size 19x19 mm tro styles and 15x15mm for top and bottom rails, coverted with heat moulded PVC channel of 5 mm thick sheet & 30 x 50mm wide to form styles & 5mm thick & 75mm wide PVC sheets for top rail, lock rail & bottom rail on either side & 5mm thick 20mm wide PVC sheet as gap insert for top rails & bottom rail panelling of 5 mm thick 20mm wide PVC sheet fittled in te M.S Frame sealed to the styless & rails with 5 x 30mm PVC sheet beading on ewither sides & joined together with solvent cement adhesive etc., complete as per manufactures specification & direction of Engineer - in charge fixed to frames with 3 nos, of 75mm Aluminium hinges etc complete as per specifications and directions of engineer in charge of the work.	Sqm	3343.24	

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				In Figures	In Words
21	2.43	Supplying and fixing pressed steel window frame of size 100 x 50mm manufactured from 1.25 mm thick carbon steel or imported steel strips with neat mitred joints at 900 degree for window openings ans shall be suitabe to fix M.S.grills as per design and drawings using 12mm dia rods at 100mm centre to centre Horizontally and two members if M.S flats of 6mmx40mm size at 150mm apart welded into a frame of 6mmx40mm size M.S. flats with 16mm size lugs and 8 Nos of 100 mm size hings 4 Nos of Butt stay pins and 4 Nos Tower bolts and shutters half panelled and halg glazed with shultters amde out of seasoned honne wood styles of 30mm thic bonded with phenol formaldehyde resin and the shutter shall be rot proof vermin proff, heat resistant guaranteed aganist shrinkage, warpage and such other defects for periof of 3 years this shall be as per approved drawing specification and direction including cost of converyance, amnufacturing painting with 2 coats enamel paint over one coat of primer cost oflavour for all items of work machinery equipement and all other incidental charges etc complete as per specifications	Sqm	4028.00	
22	84.47	Providing and applying two coats with oil bound washable distemper of approved brand and shade on wall surface including priming coat with distemper primer after thoroughly brooming the surface free from mortar drops and other foregin matter including preparing the surface even and sand paper smooth, cost of materials, labours, etc complete as per specifications and directions of engineer in charge of the work.	Sqm	59.36	
23	53.04	Providing and finishing external walls in tow coats with water proof cement paint of approve brand and shade to give an even shade after thourghly brooming the surface to remove all dirt and losse powdered material, free from mortar dops and other foreign matter cost of materials, labours, etc complete as per specifications and directions of engineer in charge of the work.	Cum	78.44	
24	6.00	Providing and fixing in wall surface 2.5 kg/sq.cm H.D.P.E. rain down water pipes 90 mm outer dia approved make and brand with necessary specials like shoes bends and offsets fixed with iron clamps, walls plugs, screws, including cost of materials, labour, etc complete as per specifications and directions of engineer in charge of the work.	m	415.52	
25	1.00	Supplying and running of I/Copper stips for grounding connectors, using necessary fixing materials as required A) Strip Size 25x03mm (P. 67 / I9a etc complete as per specifications and directions of engineer in charge of the work.	Mtrs	110.00	
26	15.00	Supplying and fixing of PVC casing and capping on the wall or ceiling using necessary materials like bends, screws at an intervals of 300mm etc as required (P. 10 / I 24b etc complete as per specifications and directions of engineer in charge of the work.	Mtrs	39.00	
27	4.00	Supplying and fixing of 6/16/32 A electrical accessories on existing switch board, Make Group A (Lisha, Anchor, Cona, ELLE, GM) a) 16 A S.P Switch (P. 47/ I. 35 I1) etc complete as per specifications and directions of engineer in charge of the work.	Each	80.00	
28	3.00	b) 16A 3 Way 5 pin Socket (P.47 / I 35 J1	Each	85.00	
29	2.00	Supplying and fixing of special tube lamps A) 13/15 Watts CFL (P. 43 / 21f) etc complete as per specifications and directions of engineer in charge of the work.	Each	170.00	
30	1.00	Supplying and fixing miniature circuit brackers on existing MCB distribution boards using necessary fising materials and wiring complete as required Make ABB Seimens, Legand, L&T MG a) 5-32 A Single Pole etc complete as per specifications and directions of engineer in charge of the work.	Each	200.00	

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31	5.00	Wiring for lighting / Power circuit using one of PVC insulated 1100 v grade multi strands and copper conductor single core cable in open or consealed system ofwiring Make Group B b) 2.5 Sqmm etc complete as per specifications and directions of engineer in charge of the work.	Mtr	18.00	
32	10.00	INSULATED CABLE ON MESSENGER WIRE Using 2 single core wires for a single phas and 4 single core wies for 3 phase supplying and stringing PVC insulated and PVC sheathed 650/1100V class aluminium conductor of size supported by 3.15mm (10 SWG) GI messenger wire with two breaks insulators, on be provided for each wire the messanger wire shall be bed-ended on the clamp provided to the departmental pole wide item No. 4 above etc complete as per specifications and directions of engineer in charge of the work.	Mtr	45.00	
33	1.00	Supplying and Fixing of HRC fuse units base on existing switch fuse base A) upto 32 Amps etc complete as per specifications and directions of engineer in charge of the work.	Each	120.00	
34	1.00	Providing and fixing white vitreous china clay, water closet Indian type (Squatting pan) of size 580m with footrests, 100 mm S or P trap, (approved make) cutting and making good the wall and floor wherever required, including cost of materials, labour etc complete as per specifications and directions of engineer in charge of the work.	Pan	1318.64	
35	1.00	Providing and fixing white vitreous china clay, flat back wash basin of size 630x450mm with pair of 15mm C.P brass pillar taps with C.I./M.S. brackets, 32mm C.P. brass waste of standard pattern, painting of fitting and brackets ,cutting and making good the wall and floor wherever required, including cost of materials, labour etc complete as per specifications and directions of engineer in charge of the work.	Unit	3773.60	
36	30.00	Providing and fixing to wall, ceiling and floor, low density poluethylene pipes kgs/sq.cm working pressure **32mm** outside diameter, compression type fittings, wall clips, making good the wall ceiling and floor cost of materials, labour charges HOM of equipments and testing exeluding cost of fittings,etc complete as per specifications and directions of engineer in charge of the work.	Rmtr	152.39	
37	4.00	Providing and fixing in position brass bib cock of approved quality 20mm nominal bore including cost of all materials, labour and HOM of equipments with all leads etc complete as per specifications and directions of engineer in charge of the work.	Each	192.44	
38	1.80	Providing colour glazed tiles of size 10mm thick for flooring, treads of steps and landing, laid on a bed of 12mm thick, cement mortar 1:3 mix, flush pointing using white cement with matching colour pigment, including cost of materials, labour, etc complete as per specifications and directions of engineer in charge of the work.	Sqm	882.98	
39	8.64	Providing skirting, dado, rises of steps with Colour glazed tiles 15x15cms 6mm thick on 10mm thick cement plaster 1:3 and jointed with white cement slurry over rough plaster surface (excluding cost of rough plastered surface white should be measured and paid separately) using glazed tiles of approved make and size of materials, labour, etc complete as per specifications and directions of engineer in charge of the work.	Sqm	926.44	
40	500.00	Supppying water storage tanks made of virgin polymer (LLDPE) with two layers outer black of blue and inner white layer of approved quality and make, conforming to ISI / ISO / SSI etc complete as per specifications and directions of engineer in charge of the work.	L	6.36	

Signture of the Contractor

Assistant Executive Engineer
Byatarayanapura Sub-division
KRIDL, BBMP, Bangalore

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